

RAW SEQUENCE LISTING

DATE: 02/11/2003

PATENT APPLICATION: US/10/088,853A

TIME: 14:35:58

Input Set : A:\1406-50.ST25.txt

```
3 <110> APPLICANT: Bornkamm, Georg
             Hobom, Gerd
             Mautner, Josef
      5
      8 <120> TITLE OF INVENTION: METHOD FOR IDENTIFYING MHC-RESTRICTED ANTIGENS
             Nimmerjahn, Falk
     10 <130> FILE REFERENCE: 1406/50
     12 <140> CURRENT APPLICATION NUMBER: 10/088853A
C--> 13 <141> CURRENT FILING DATE: 2002-09-12
     15 <160> NUMBER OF SEQ ID NOS: 23
     17 <170> SOFTWARE: PatentIn version 3.0
     19 <210> SEQ ID NO: 1
     20 <211> LENGTH: 12
                                                          ENTERED
     21 <212> TYPE: RNA
     22 <213> ORGANISM: Influenza A virus
     24 <400> SEQUENCE: 1
     25 ccugcuuuug cu
     28 <210> SEQ ID NO: 2
     29 <211> LENGTH: 12
     30 <212> TYPE: RNA
     31 <213> ORGANISM: Influenza B virus
     33 <220> FEATURE:
     34 <221> NAME/KEY: misc_feature
      35 <222> LOCATION: (1)..(12)
      36 <223> OTHER INFORMATION: n is a, c, g, or u
      39 <220> FEATURE:
      40 <221> NAME/KEY: misc_feature
      41 <222> LOCATION: (1)..(12)
      42 <223> OTHER INFORMATION: y is c or u
      45 <400> SEQUENCE: 2
                                                                                12
 W--> 46 nnygeuucug cu
      49 <210> SEQ ID NO: 3
      50 <211> LENGTH: 12
      51 <212> TYPE: RNA
      52 <213> ORGANISM: Influenza C virus
      54 <400> SEQUENCE: 3
                                                                                12
      55 ccugcuucug cu
      58 <210> SEQ ID NO: 4
      59 <211> LENGTH: 13
      60 <212> TYPE: RNA
      61 <213> ORGANISM: Influenza A virus
      63 <400> SEQUENCE: 4
                                                                                13
      64 aguagaaaca agg
      67 <210> SEQ ID NO: 5
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RAW SEQUENCE LISTING PATENT APPLICATION: US/10/088,853A DATE: 02/11/2003 TIME: 14:35:58

Input Set : A:\1406-50.ST25.txt

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68 <211> LENGTH: 13
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    70 <213> ORGANISM: Influenza B virus
    72 <220> FEATURE:
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    74 <222> LOCATION: (1)..(13)
    75 <223> OTHER INFORMATION: n is a, c, g, or u
    78 <220> FEATURE:
    79 <221> NAME/KEY: misc_feature
     80 <222> LOCATION: (1)..(13)
     81 <223> OTHER INFORMATION: w is a or u
     84 <220> FEATURE:
     85 <221> NAME/KEY: misc_feature
     86 <222> LOCATION: (1)..(13)
     87 <223> OTHER INFORMATION: r is g or a
     90 <400> SEQUENCE: 5
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W--> 91 aguagwaaca rnn
     94 <210> SEQ ID NO: 6
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     96 <212> TYPE: RNA
     97 <213> ORGANISM: Influenza C virus
     99 <220> FEATURE:
     100 <221> NAME/KEY: misc_feature
     101 <222> LOCATION: (1)..(13)
     102 <223> OTHER INFORMATION: r is g or a
     105 <400> SEQUENCE: 6
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     106 agcaguagca agr
     109 <210> SEQ ID NO: 7
     110 <211> LENGTH: 12
     111 <212> TYPE: RNA
     112 <213> ORGANISM: Influenza A virus
     114 <400> SEQUENCE: 7
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     115 ccugguucuc cu
     118 <210> SEQ ID NO: 8
     119 <211> LENGTH: 13
     120 <212> TYPE: RNA
      121 <213> ORGANISM: Influenza A virus
      123 <400> SEQUENCE: 8
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      124 ccugguuucu acu
      127 <210> SEQ ID NO: 9
      128 <211> LENGTH: 21
      129 <212> TYPE: RNA
      130 <213> ORGANISM: Influenza A virus
      132 <220> FEATURE:
      133 <221> NAME/KEY: misc_feature
      134 <222> LOCATION: (1)..(21)
      135 <223> OTHER INFORMATION: n is a, c, g, or u
      138 <400> SEQUENCE: 9
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 W--> 139 aguagaaaca aggnnnuuuu u
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RAW SEQUENCE LISTING PATENT APPLICATION: US/10/088,853A DATE: 02/11/2003 TIME: 14:35:58

Input Set : A:\1406-50.ST25.txt

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142 <210> SEQ ID NO: 10
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    144 <212> TYPE: RNA
    145 <213> ORGANISM: Influenza A virus
    147 <220> FEATURE:
    148 <221> NAME/KEY: misc_feature
    149 <222> LOCATION: (1)..(22)
    150 <223> OTHER INFORMATION: n is a, c, g, or u
    153 <400> SEQUENCE: 10
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W--> 154 aguagaaaca aggnnnuuuu uu
     157 <210> SEQ ID NO: 11
     158 <211> LENGTH: 15
     159 <212> TYPE: RNA
     160 <213> ORGANISM: Influenza A virus
     162 <220> FEATURE:
     163 <221> NAME/KEY: misc_feature
     164 <222> LOCATION: (1)..(15)
     165 <223> OTHER INFORMATION: n is a, c, g, or u
     1,68 <400> SEQUENCE: 11
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W--> 169 nnnccuguuu cuacu
     172 <210> SEQ ID NO: 12
     173 <211> LENGTH: 21
     174 <212> TYPE: RNA
     175 <213> ORGANISM: Influenza A virus
     177 <220> FEATURE:
     178 <221> NAME/KEY: misc_feature
     179 <222> LOCATION: (1)..(21)
     180 <223> OTHER INFORMATION: n is a, c, g, or u
     183 <400> SEQUENCE: 12
                                                                                  21
W--> 184 agaagaauca aggnnnuuuu u
      187 <210> SEQ ID NO: 13
      188 <211> LENGTH: 22
      189 <212> TYPE: RNA
      190 <213> ORGANISM: Influenza A virus
      192 <220> FEATURE:
      193 <221> NAME/KEY: misc_feature
      194 <222> LOCATION: (1)..(22)
      195 <223> OTHER INFORMATION: n is a, c, g, or u
      198 <400> SEQUENCE: 13
                                                                                  22
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      203 <211> LENGTH: 17
      204 <212> TYPE: RNA
      205 <213> ORGANISM: Influenza A virus
      207 <220> FEATURE:
      208 <221> NAME/KEY: misc_feature
      209 <222> LOCATION: (1)..(17)
      210 <223> OTHER INFORMATION: n is a, c, g, or u
      213 <400> SEQUENCE: 14
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DATE: 02/11/2003

TIME: 14:35:58

Input Set : A:\1406-50.ST25.txt Output Set: N:\CRF4\02112003\J088853A.raw 17 W--> 214 agaagaauca aggnnnu 217 <210> SEQ ID NO: 15 218 <211> LENGTH: 21 219 <212> TYPE: RNA 220 <213> ORGANISM: Influenza A virus 222 <220> FEATURE: 223 <221> NAME/KEY: misc_feature 224 <222> LOCATION: (1)..(21) 225 <223> OTHER INFORMATION: n is a, c, g, or u 228 <400> SEQUENCE: 15 21 W--> 229 aguagaaaca aggnnnuuuu u 232 <210> SEQ ID NO: 16 233 <211> LENGTH: 22 234 <212> TYPE: RNA 235 <213> ORGANISM: Influenza A virus 237 <220> FEATURE: 238 <221> NAME/KEY: misc_feature 239 <222> LOCATION: (1)..(22) 240 <223> OTHER INFORMATION: n is a, c, g, or u 243 <400> SEQUENCE: 16 22 W--> 244 aguagaaaca aggnnnuuuu uu 247 <210> SEQ ID NO: 17 248 <211> LENGTH: 15 249 <212> TYPE: RNA 250 <213> ORGANISM: Influenza A virus 252 <220> FEATURE: 253 <221> NAME/KEY: misc_feature 254 <222> LOCATION: (1)..(15) 255 <223> OTHER INFORMATION: n is a, c, g, or u 258 <400> SEQUENCE: 17 15 W--> 259 nnnccugguu cuccu 262 <210> SEQ ID NO: 18 263 <211> LENGTH: 21 264 <212> TYPE: RNA 265 <213> ORGANISM: Influenza B virus 267 <220> FEATURE: 268 <221> NAME/KEY: misc_feature 269 <222> LOCATION: (1)..(21) 270 <223> OTHER INFORMATION: n is a, c, g, or u 273 <220> FEATURE: 274 <221> NAME/KEY: misc_feature 275 <222> LOCATION: (1)..(21) 276 <223> OTHER INFORMATION: r is g or a 279 <220> FEATURE: 280 <221> NAME/KEY: misc_feature 281 <222> LOCATION: (1)..(21) 282 <223> OTHER INFORMATION: w is a or u 285 <400> SEQUENCE: 18 21 W--> 286 aguagwaaca rnnnnnuuuu u

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/088,853A

RAW SEQUENCE LISTING PATENT APPLICATION: US/10/088,853A DATE: 02/11/2003 TIME: 14:35:58

Input Set : A:\1406-50.ST25.txt

```
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    291 <212> TYPE: RNA
    292 <213> ORGANISM: Influenza B virus
    294 <220> FEATURE:
    295 <221> NAME/KEY: misc_feature
    296 <222> LOCATION: (1)..(22)
    297 <223> OTHER INFORMATION: n is a, c, g, or u
    300 <220> FEATURE:
     301 <221> NAME/KEY: misc_feature
     302 <222> LOCATION: (1)..(22)
     303 <223> OTHER INFORMATION: r is g or a
     306 <220> FEATURE:
     307 <221> NAME/KEY: misc_feature
     308 <222> LOCATION: (1)..(22)
     309 <223> OTHER INFORMATION: w is a or u
     312 <400> SEQUENCE: 19
                                                                                 22
W--> 313 aguagwaaca rnnnnnuuuu uu
     316 <210> SEQ ID NO: 20
     317 <211> LENGTH: 15
     318 <212> TYPE: RNA
     319 <213> ORGANISM: Influenza B virus
     321 <220> FEATURE:
     322 <221> NAME/KEY: misc_feature
     323 <222> LOCATION: (1)..(15)
     324 <223> OTHER INFORMATION: n is a, c, g, or u
     327 <220> FEATURE:
     328 <221> NAME/KEY: misc feature
     329 <222> LOCATION: (1)..(15)
     330 <223> OTHER INFORMATION: y is u or c
     333 <400> SEQUENCE: 20
                                                                                 15
W--> 334 nnnnnyguuu cuacu
     337 <210> SEQ ID NO: 21
     338 <211> LENGTH: 19
     339 <212> TYPE: RNA
     340 <213> ORGANISM: Influenza C virus
     342 <220> FEATURE:
     343 <221> NAME/KEY: misc_feature
      344 <222> LOCATION: (1)..(19)
      345 <223> OTHER INFORMATION: r is g or a
      348 <400> SEQUENCE: 21
                                                                                  19
      349 aguaguaaca agrguuuuu
      352 <210> SEQ ID NO: 22
      353 <211> LENGTH: 20
      354 <212> TYPE: RNA
      355 <213> ORGANISM: Influenza C virus
      357 <220> FEATURE:
      358 <221> NAME/KEY: misc_feature
      359 <222> LOCATION: (1)..(20)
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DATE: 02/11/2003 RAW SEQUENCE LISTING ERROR SUMMARY TIME: 14:35:59 PATENT APPLICATION: US/10/088,853A

Input Set : A:\1406-50.ST25.txt

Output Set: N:\CRF4\02112003\J088853A.raw

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1,2 Seq#:5; N Pos. 12,13 Seq#:9; N Pos. 14,15,16 Seq#:10; N Pos. 14,15,16 Seq#:11; N Pos. 1,2,3 Seq#:12; N Pos. 14,15,16 Seq#:13; N Pos. 14,15,16 Seq#:14; N Pos. 14,15,16 Seq#:15; N Pos. 14,15,16 Seq#:16; N Pos. 14,15,16 Seq#:17; N Pos. 1,2,3 Seq#:18; N Pos. 12,13,14,15,16 Seq#:19; N Pos. 12,13,14,15,16 Seq#:20; N Pos. 1,2,3,4,5